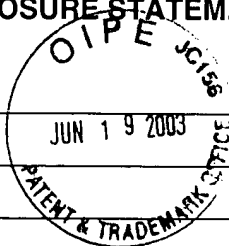


U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. APPM/5840.03/CMP/ ECP/RKK	Serial No. 10/059,572
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant STEVENS, et al.	Confirmation No.: 7921
(Use several sheets if necessary)		Filing Date January 28, 2002	Group 1763
Examiner Unknown			



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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
<i>KU</i>	A1	6,090,261	07-18-2000	Mathieu	205	137	05-21-1998
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						
	A9						
	A10						
	A11						
	A12						
	A13						

Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
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<i>KU</i>	B1	WO 99/54920	10-28-1999	WIPO	H01L	-		X
	B2							
	B3							

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
<i>KU</i>	C1	PCT Partial Search Report from International Application No. PCT/US03/01753, Dated 15 May 2003.
	C2	
	C3	

Examiner <i>KAPLA MOORE</i>	Date Considered <i>6/25/03</i>
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Sheet 1 of 2 sheet(s)

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449, 10/1/99)		Docket No. APPM/5840.03	Serial No. 10/059,572
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Stevens, et al.	Confirmation No.: 7921
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Examiner Unknown			

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
<i>mu</i>	A1	3,937,857	02-10-1976	Brummett, et al.	427	98	07-22-1974
	A2	4,006,047	02-01-1977	Brummett, et al.	156	656	11-08-1974
	A3	4,234,628	11-18-1980	DuRose	427	305	11-28-1978
	A4	4,364,803	12-21-1982	Nidola, et al.	204	30	12-02-1980
	A5	4,632,857	12-30-1986	Mallory, Jr.	428	209	08-08-1985
	A6	5,235,139	08-10-1993	Bengston, et al.	174	257	09-12-1990
	A7	5,240,497	08-31-1993	Shacham, et al.	106	1.26	10-08-1991
<i>mu</i>	A8	5,380,560	01-10-1995	Kaja, et al.	427	306	07-28-1992

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<i>mu</i>	B1	EP 0 329 406	08-23-1989	EP	C23C	28/02		X
<i>mu</i>	B2	EP 0 475 567	03-18-1992	EP	H05K	1/09		X

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<i>mu</i>	C1	Schacham-Diamond, et al. "Material properties of electroless 100-200 nm thick CoWP films," Electrochemical Society Proceedings, Vol. 99-34, pp. 102-110.
<i>mu</i>	C2	Eze, et al., "Chemical-bath-deposited cobalt sulphide films: preparation effects," Materials Chemistry and Physics, 47 (1997), pp. 31-36.
<i>mu</i>	C3	Shacham-Diamond, et al., "Electrochemically deposited thin film alloys for ULSI and MEMS applications," Microelectronic Engineering 50 (2000), pp. 525-531.
<i>mu</i>	C4	Saito, et al., "Electroless deposition of Ni-B, Co-B and Ni-Co-B alloys using dimethylamineborane as a reducing agent," Journal of Applied Electrochemistry 28 (1998), pp. 559-563.
<i>mu</i>	C5	Eze, F. C., "Electroless deposition of CoO thin films," J. Phys. D: Appl. Phys. 32 (1999), pp. 533-540.

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U.S. Department of Commerce, Patent and Trademark Office		Docket No.	Serial No.
(PTO Form 1449 n.s.d.)		APPM/5840.03	10/059,572
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant	Confirmation No.:
		Stevens, et al.	7921
(Use several sheets if necessary)		Filing Date	Group
Examiner Unknown		January 28, 2002	1763

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date if Appropriate
<i>W</i>	A9	5,478,462	12-26-1995	Walsh	205	169	06-16-1994
	A10	5,674,787	10-07-1997	Zhao, et al.	437	230	01-16-1996
	A11	5,824,599	10-20-1998	Schacham-Diamond, et al.	438	678	01-16-1996
	A12	6,015,747	01-18-2000	Lopatin, et al.	438	586	12-07-1998
	A13	6,065,424	05-23-2000	Shacham-Diamond, et al.	118	696	12-18-1996
	A14	6,077,780	06-20-2000	Dubin	438	687	12-03-1997
	A15	6,136,163	10-24-2000	Cheung, et al.	204	198	03-05-1999
	A16	6,180,523	01-30-2001	Lee, et al.	438	678	10-13-1998
	A17	6,242,349	06-05-2001	Nogami, et al.	438	687	12-09-1998
	A18	6,245,670	06-12-2001	Cheung, et al.	438	637	02-19-1999
	A19	6,258,220	07-10-2001	Dordi, et al.	204	198	04-08-1999
	A20	6,291,348	09-18-2001	Lopatin, et al.	438	687	11-30-2000
	A21	6,416,647	07-09-2002	Dordi, et al.	205	137	04-19-1999
<i>✓</i>	A22	6,432,819	08-13-2002	Pavate, et al.	438	676	09-27-1999

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<i>W</i>	B3	EP 0 913 498	05-06-1999	EP	C23C	18/16		X
<i>W</i>	B4	7-297543	1995	JP	H05K	3/38		X

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*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
<i>W</i>	C6	The Chinese Journal of Nonferrous Metals, Vol. 10, No. 1, February 02, 2000. <i>ABSTRACT ONLY</i>
<i>W</i>	C7	Pearlstein, Fred. "Electroless Plating," J. Res. Natl. Bur. Stan., Ch. 31 (1963), pp. 710-747.
	C8	

Examiner

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Date Considered

6/23/03

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U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. APPM/5840.03	Serial No. 10/059,572
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Stevens, et al.	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date January 28, 2002	Group Unknown
Examiner Unknown			

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
<i>ku</i>	A1	2,369,620	02/13/1945	Sullivan, et al.	117	130	03/17/1941
	A2	4,232,060	11/04/1980	Mallory, et al.	427	98	01/22/1979
	A3	4,265,943	05/05/1941	Goldstein, et al.	427	305	11/27/1978
	A4	4,368,223	01/11/1983	Kobayashi, et al.	427	443.1	06/01/1981
	A5	4,397,812	08/09/1983	Mallory, et al.	420	441	04/11/1979
	A6	4,810,520	03/07/1989	Wu	427	8	09/23/1987
	A7	5,147,692	09/15/1992	Bengston	427	438	04/23/1991
	A8	5,248,527	09/28/1993	Uchida, et al.	427	437	02/28/1992
	A9	5,384,284	01/24/1995	Doan, et al.	437	190	10/01/1993
	A10	5,415,890	05/16/1995	Kloiber, et al.	427	242	01/03/1994
	A11	5,510,216	04/23/1996	Calabrese, et al.	430	16	08/29/1995
<i>✓</i>	A12	5,648,125	07/15/1997	Cane	427	534	11/16/1995

Foreign Patent Documents

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<i>ku</i>	B2	2,285,174	06/28/1995	GB	H01L	23/52	<input type="checkbox"/>	<input type="checkbox"/>

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<i>ku</i>	C1	USSN 09/599,125 (Cheung, et al.), filed June 22, 2000	MAY 22 2002
<i>ku</i>	C2	USSN 09/650,108 (Carl, et al.), filed August 29, 2000	GROUP 3600
<i>ku</i>	C3	USSN 09/505,638 (Parke, et al.), filed February 16, 2000	
Examiner	<i>KARLA MOORE</i>		Date Considered <i>6/23/03</i>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Stevens, et al.	Confirmation No.: Unknown
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Examiner Unknown			

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
[Signature]	A13	5,695,810	12/09/1997	Dubin, et al.	427	96	11/20/1996
	A14	5,733,816	03/31/1988	Iyer, et al.	438	592	12/13/1995
	A15	5,843,538	12/01/1998	Ehrsam, et al.	427	601	11/14/1997
	A16	5,846,598	12/08/1998	Semkow, et al.	427	98	03/11/1997
	A17	5,885,749	03/23/1999	Huggins, et al.	430	312	06/20/1997
	A18	5,891,513	04/06/1999	Dubin, et al.	427	98	01/16/1996
	A19	5,904,827	05/18/1999	Reynolds	205	68	10/20/1997
	A20	5,907,790	05/25/1999	Kellam	438	666	08/29/1996
	A21	5,910,340	06/08/1999	Uchida, et al.	427	437	09/17/1997
	A22	5,913,147	06/15/1999	Dubin, et al.	438	687	01/21/1997
	A23	5,932,077	08/03/1999	Reynolds	204	224 R	02/09/1998
	A24	5,969,422	10/19/2000	Ting, et al.	257	762	05/15/1997

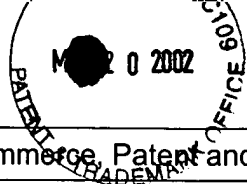
Foreign Patent Documents

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[Signature]	C4	USSN 09/294,240, (Dordi, et al.), filed April 19, 1999	RECEIVED
	C5	USSN 09/522,726 (Kalyanam, et al.), filed March 10, 2000	MAY 22 2002
	C6	USSN 09/245,780 (Dordi, et al.), filed February 5, 1999	GROUP 3600
	C7	USSN 09/406,325 (Pavate, et al), filed September 27, 1999	PATENT NO. 6432819
Examiner	KAPLA MOORE		Date Considered 6/23/03

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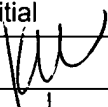


U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. APPM/5840.03	Serial No. 10/059,572
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant Stevens, et al.	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date January 28, 2002	Group Unknown
Examiner Unknown		MAY 22 2002	

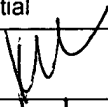
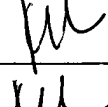
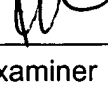
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GROUP 3600

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	A25	6,010,962	01/04/2000	Liu, et al.	438	687	02/12/1999
	A26	6,015,724	01/18/2000	Yamazaki	438	151	11/04/1996
	A27	6,107,199	08/22/2000	Allen, et al.	438	685	10/24/1998
	A28	6,110,530	08/29/2000	Chen, et al.	427	253	06/25/1999
	A29	6,113,771	09/05/2000	Landau, et al.	205	123	07/13/1998
	A30	6,136,693	10/24/2000	Chan, et al.	438	633	10/27/1997
	A31	6,140,234	10/31/2000	Uzoh, et al.	438	678	01/20/1998
	A32	6,171,661	01/09/2001	Zheng, et al.	427	535	02/25/1998
	A33	6,174,812	01/16/2001	Hsiung, et al.	438	687	06/08/1999
	A34	6,197,181	03/06/2001	Chen	205	123	03/20/1998
	A35	6,197,688	03/06/2001	Simpson	438	678	02/12/1998
	A36	6,228,233	05/08/2001	Lakshmikanthan, et al.	204	277	11/30/1998

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*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C8	Lin, et al., "Manufacturing of Cu Electroless Nickel/Sn-Pb Flip Chip Solder Bumps", IEEE Transactions on Advanced Packaging, Vol. 22, No. 4 (November 1999), pp. 575-579
	C9	Lopatin, et al., "Thin Electroless barrier for copper films", Part of the SPIE Conference of Multilevel Interconnect technology II, SPIE Vol. 3508 (1998), pp. 65-77
	C10	Lowenheim, Frederick A., Modern Electroplating, Chapter 31, pp. 70-79 (3 rd ed., Wiley & Sons 1974)
Examiner	KAPLA MOORE	
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